! ""#\$%&'%()#\*(%)%+,-##\$./%#0%1'%(23#"1(.)

\$5>#

": &&7+.,J#\$%&'%(#\*(%)%+,-#8:++5#0%1'%(2#;K7,9::(#D.,%#'': &&.L%%A#

\$%%4+2#KG%+%9-#M-NO#

\$\%4+2\P:=54:+-\psi\_1\psi R(59\psi \sigma)(::&\psi! .+,\psi('\psi((J\psi')15(,\psi(\psi)=1::\psi

\*(%G5(%9#' J-#D5(5#E: ((.)##

KG%+.+2-#

FS \$: L: #: T#, 1%#D: =.5 \( \)#6, 1.=#

IS D: +2?#D/.GG%9#

"\$ 6U=.,%&%+,#D15(.+2?#\$%2I)#95721,%(#.)#1: &%3#\$./%#.)#2: .+2#9.G#+%W+2#,1.)#X%%/%+93#"1(.)4+5#.)# ),5J.+2#1: &%#5>#X%%/%+93#\$%2I)#%.21,1#2(59%#,(5.+.+2#X5)#YX: +9%(T7>Z#

FGG(: @5#: T#\$.+7,%)-#FGG(: @%9#"1(.)4+5#&: 4: +)#,: #5GG(: @%3#8%C#)%=: +9)#

FGG(: @5#: T#F2%+95-#"1(.)4+5#&: @%)#,: #5GG(: @%#52%+95#5)#5&%+9%93#\$./%#)%=: +9%9#

": &&7+.,J#": &&%+,)-#E: +%#

[+T: (&54: +5#0%G: (,)-#

- IS #I 792%,#0%G: (,-##8%9(5#5+9#%C#G>5+#,: #&%%,#G(.: (#,: #T7,7(%#! ""#&%%

6@5>754: +)#D7' =: &&.L%#0%G: (\_,-##6@5>754: +)#15@%#' %%+#)%+,#,1%(%#15@%#' %%+#^\_#),5C#
(%G>%)3#M#! '''#5+9#0#! \*R\$#"1(.)4+5#X.>#=5>#15=7>,J#,:#(%=: ++%=,#):#5>#@:.=%)#5(%#1%5(9#5+9#
5`%(#9%59>,+%3#)7' =: &&.L%%#X.>#25,1%(#,:#9.)=7))#1: X#95,5#)7&&5(J#X.>#' %#(%G(%)%+,%9\$##

- H\$ H5=7>,J#0%G: (,-#F! D#' (.+2.+2#8: 5++%#''>%&%+1527%#;! 5>9: (T#DG%=.5>#69\$#\%>GA#5+9#! .+,%(' %((J# X5)#5)/%9#.T#,1%J#X: 7>9#>./%#,: #=: : (9.+5,%?#=: &.+2#,X: #X%%/)#.+#K=,: ' %(#5` %(#P%%#D,7(2%: +?85J# <+.)1%)#1%(#,(5.+.+2#1%(%\$##

## I7).+%))#

F\$ #697=54: +#D%(@.=%#'': +,(5=,#T: (#\5+9X: (/#[+),(7=4: +#0%+%X5\*#

?! .,1.+#':5(9#G:>=J3#,:#)%%/#! ""#5GG(:@5;#T:(#5#5(2%(#,7&G#.+#G5J&%+,\$#

?#! %#5(%#=: &.+2#,: #=: +)%+)7)#: +#5GG(: @5#: T#15+9X: (/#=: +,(5=,#5)#(%b7%),%9\$#! %#X5+,#,1%# =: +,(5=,#,: #(%C%=,#=: &G5(5' >%#95J)?: C#5+9#.+9.(%=,#=: &G#: T#,(5.+.+2#)G%=.<%9#.+#=: +,(5=,# 9: =7&%+,\$#\$: @%#,: #%),5' >.)1#5#=: +,(5=,#)%(@.=%)#,%&G>5,%#T: (#T7,7(%#(%T%(%+=%#: T#5+J#=: +,(5=,# #: TC**M**).&(%)0.,( g17()95J3#FG(.#N^),#

g17()95J3#\$5J#^N,1#

 $g\%+,54@\%-\#g17()95J3\#87+\%\#^M.^1\#$ 

\$%%4+2#F9a: 7(+)#h-\_]#

\$./%#&:@%)#,:#59a:7(+3#%C#)%=:+9)\$#d+5+.&:7)#=:+)%+)7)\$#